

Docket No.: 249212025500  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Matt BALL et al.

Application No.: 10/782,990

Filed: February 19, 2004

For: **ERROR CORRECTION DECODER USING  
CELLS WITH PARTIAL SYNDROME  
GENERATION**

Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

The undersigned having, on or about February 19, 2004, made application for Letters Patent for an improvement in, **ERROR CORRECTION DECODER USING CELLS WITH PARTIAL SYNDROME GENERATION**, Application No. 10/782,990, hereby appoints the following attorneys and/or agents to prosecute this application and transact all business in the U.S. Patent and Trademark Office connected herewith:

All practitioners at Customer Number 20872.

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sf-1645501

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Address all communications to:

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For: QUANTUM CORPORATION

*Shawn Hall*  
Shawn Hall, Vice President, General Counsel

Dated: 3-15-04

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PTO/SB/96 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Matt BALL et al.Application No./Patent No.: 10/782,990Filed/Issue Date: February 19, 2004Entitled: **ERROR CORRECTION DECODER USING CELLS WITH PARTIAL SYNDROME  
GENERATION**Quantum Corporation  
(Name of Assignee)a corporation  
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

- [x] Copies of assignments or other documents in the chain of title are attached.  
**(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08)**

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

3-15-04

Date

408-944-4460

Telephone Number

Shawn Hall

Typed or printed name

Shawn Hall

Signature

Vice President, General Counsel

Title

I hereby certify that this correspondence is being faxed to the U.S. Patent and Trademark Office, fax no. (703) 872-9306, on the date shown below.

Dated: 4/6/04Signature: Valerie Cohen (Valerie Cohen)

sf-1645509

Attorney Docket No.: 249212025500

ASSIGNMENT  
JOINT

COPY

THIS ASSIGNMENT, by Matt BALL and Justin KOLLER (hereinafter referred to as the assignors), residing at 3315 Chisholm Trail 204, Boulder, Colorado 80301 and 3400 Quay Street, Wheat Ridge, Colorado 80033, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful inventions in **ERROR CORRECTION DECODER USING CELLS WITH PARTIAL SYNDROME GENERATION**, set forth in an application for Letters Patent of the United States, bearing Serial No. (To Be Assigned), and filed Herewith; and

WHEREAS, Quantum Corporation, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 1650 Technology Drive, Suite 800, San Jose, California 95110 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

2/18/2004

Date

Matthew Ball

Matt BALL

2/18/2004

Date

Justin Koller

Justin KOLLER

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